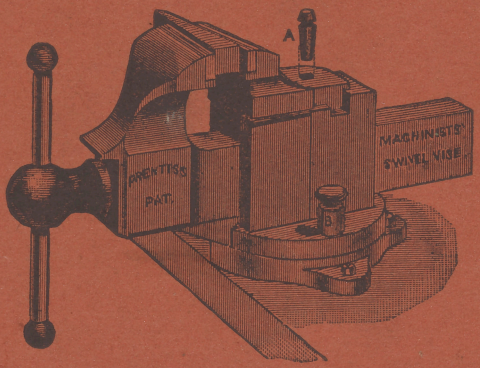
New

Illustrated Catalogue.



PRENTISS VISE COMPANY,

MANUFACTURERS,

No. 44 BARCLAY ST.,

NEW YORK.

Lilian Livermore

Florence Livermore

VISES

30

NEW ILLUSTRATED

CATALOGUE AND PRICE LIST

OF

VISES

MANUFACTURED BY

Prentiss Vise Company,

OFFICE:

44 BARCLAY STREET,

NEW YORK.

1891.

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NOTICE.

OCTOBER, 1891.

PLEASE note that we have adopted the use of **Numbers**, by which to hereafter designate both the **Sizes** and **Kinds** of all our Vises.

To avoid confusion in Ordering, do not fail to **Destroy all former Lists** and **Observe Numbers.**

PRENTISS VISE COMPANY.

PRENTISS' PATENT SELF-ADJUSTING JAW VISES

are of superior quality and workmanship, and possess MANIFEST ADVANTAGES over all others, and with our ***Patent Swivel Bottom*** and late improvements in manufacture, the PRENTISS VISE needs only to be seen to be approved; and being ***complete in itself, without "attachments,"*** it possesses in addition to its own peculiar advantages, ***all the merits*** claimed for rival implements.

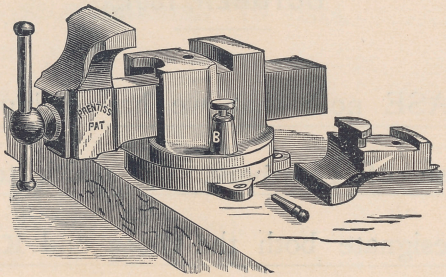


Figure 1.

Figure 1 represents in detail an interior view of the mechanism of the PRENTISS' SELF-ADJUSTING JAW with its supports.

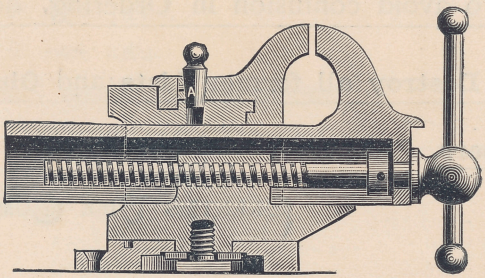


Figure 2.

Figure 2 is a sectional view of the PRENTISS VISE, showing novelty and simplicity of its construction, from which may be readily seen there is nothing which can get out of order.

The BACK JAW of this VISE is SELF-ADJUSTING and in use conforms by AUTOMATIC ACTION to any angle, ***adjusts itself***, and makes firm the object held, whether it be STRAIGHT, BEVELLED or WEDGE-SHAPED. By inserting pin A (see Fig. 3), the jaw becomes FIXED, thus making a PARALLEL SOLID JAW VISE.

The SELF-ADJUSTING JAW, resting and working as it does upon and against the SOLID BODY OF THE VISE, is thereby rendered absolutely as strong and durable as a solid jaw.

The ***"Prentiss' Patent"*** is the only ***strong*** and ***durable*** Self-Adjusting Jaw Vise in the market.

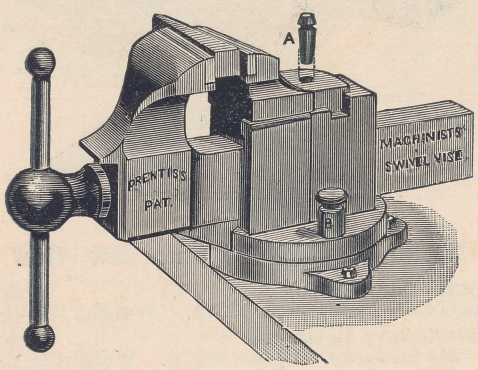
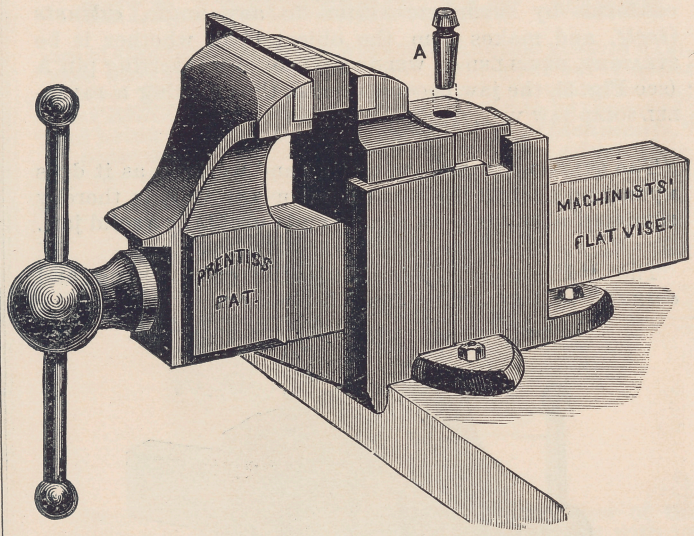


Fig. 3.—Prentiss' Patent Swivel Bottom.

Fig. 3 shows our PATENT SWIVEL BOTTOM, by which the Vise can be ***instantly*** adjusted to ***right or left*** at will of operator, by simply raising ratchet pin B (see Fig. 3), which, on being freed, is instantly forced home by spring, thus rendering the Vise ***solid*** and ***firm,*** at any desired angle.

Prentiss' Patent Iron-Workers' Vises.



Stationary Bottom, Machinists' Self-Adjusting Jaw Vise.

No. 1. Stationary Bottom, ... Price $5 50
2⅝ in. Jaws. Opens 3½ in. Weight 13½ lbs.

No. 2. Stationary Bottom, ... Price $7 00
3½ in. Jaws. Opens 4¾ in. Weight 28 lbs.

No. 2½. Stationary Bottom, ... Price $9 00
4 in. Jaws. Opens 5¼ in. Weight 41 lbs.

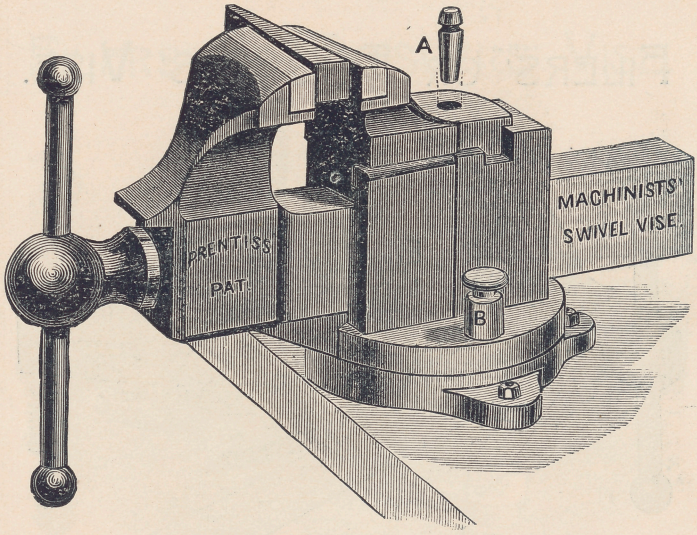
No. 3. Stationary Bottom, ... Price $10 50
4½ in. Jaws. Opens 6 in, Weight 54 lbs.

No. 4. Stationary Bottom, ... Price $17 00
5¼ in. Jaws. Opens 8 in. Weight 96 lbs.

No. 5. Stationary Bottom. . . . . Price $24 00
6 in. Jaws. Opens 9 in. Weight 146 lbs.

No. 6. Stationary Bottom, ... Price $30 00
7 in. Jaws. Opens 11 in. Weight 184 lbs.

Prentiss' Patent Iron-Workers' Vises.

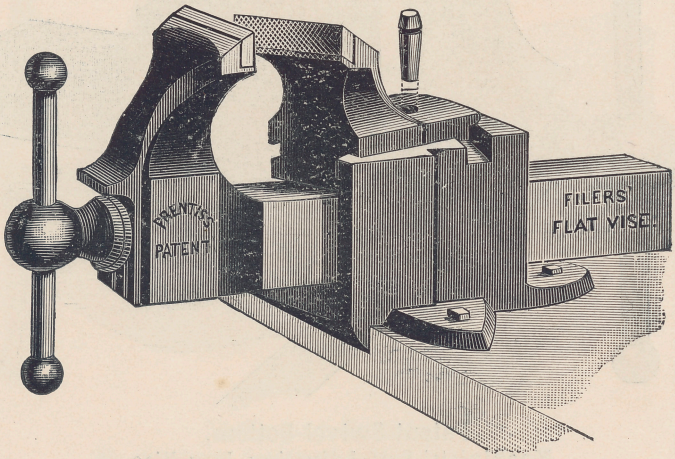


Patent Swivel Bottom, Machinists' Self-Adjusting Jaw Vise.

No. 18.	Patent Swivel Bottom, 2⅝ in. Jaws. Opens 3½ in.	Price Weight 17 lbs.	$ 6 75
No. 19.	Patent Swivel Bottom, 3½ in. Jaws. Opens 4¾ in.	Price Weight 32 lbs.	$ 8 50
No. 19½.	Patent Swivel Bottom, 4 in. Jaws. Opens 5¼ in.	Price Weight 46 lbs.	$10 50
No. 20.	Patent Swivel Bottom, 4½ in. Jaws. Opens 6 in.	Price Weight 65 lbs.	$12 50
No. 21.	Patent Swivel Bottom, 5¼ in. Jaws. Opens 8 in.	Price Weight 109 lbs.	$19 00
No. 22.	Patent Swivel Bottom, 6 in. Jaws. Opens 9 in.	Price Weight 168 lbs.	$27 00
No. 23.	Patent Swivel Bottom, 7 in. Jaws. Opens 11 in.	Price Weight 207 lbs.	$35 00

PRENTISS' PATENT

FILERS' OR FINISHERS' VISE.



Stationary Bottom,
Filers' Self-Adjusting Jaw Vise.

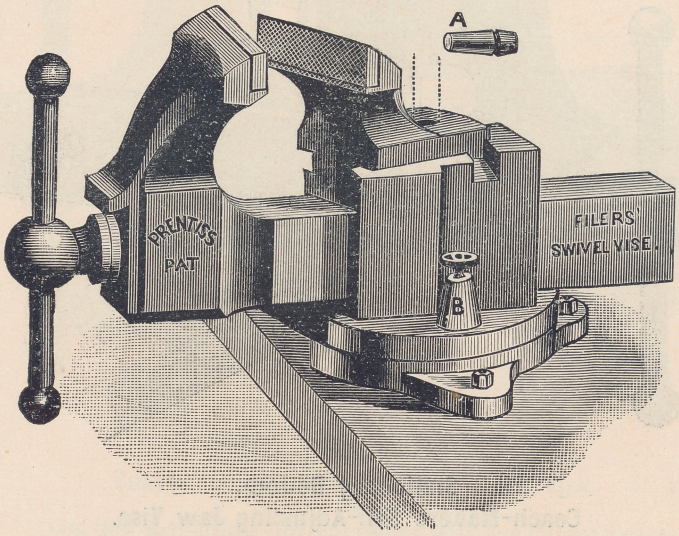
These implements were especially designed and introduced to satisfy demand for a Vise of this class, embracing the advantages of our Patent Self-Adjusting Jaw and Patent Swivel Bottom. The peculiarities of its construction are ***lean, high jaws, long arm and large throat.*** Rough-cut or smooth Jaws.

No. 42. Stationary Bottom, . . Price $8 00

4¼ in. Jaws. Opens 5¼ in. Weight 42 lbs.

PRENTISS' PATENT

FILERS' OR FINISHERS' VISE.

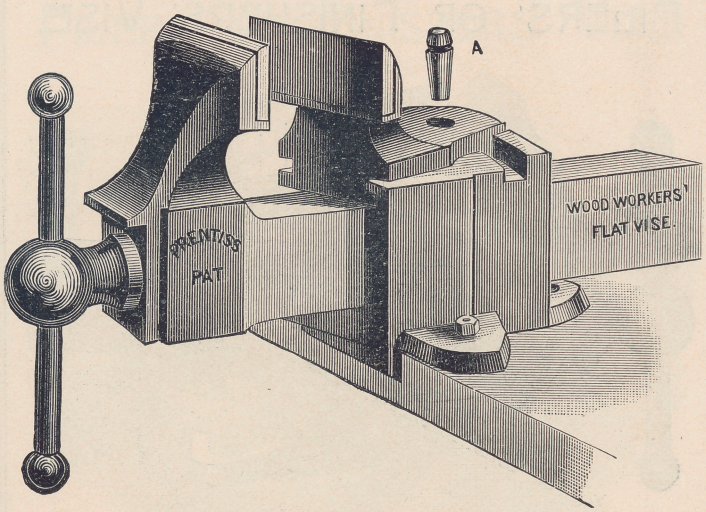


Patent Swivel Bottom,
Filers' Self-Adjusting Jaw Vise.

We call especial attention to our ***NEW MODEL (1891)*** Filers' or Finishers' Vises, having ***increased the weight*** and ***size,*** making them the ***STRONGEST*** Vises of this style ever offered.

No. 47. Patent Swivel Bottom, . . Price $10 00
4¼ in. Jaw. Opens 5¼ in. Weight 47 lbs.

Prentiss' Patent Wood-Workers' Vises.



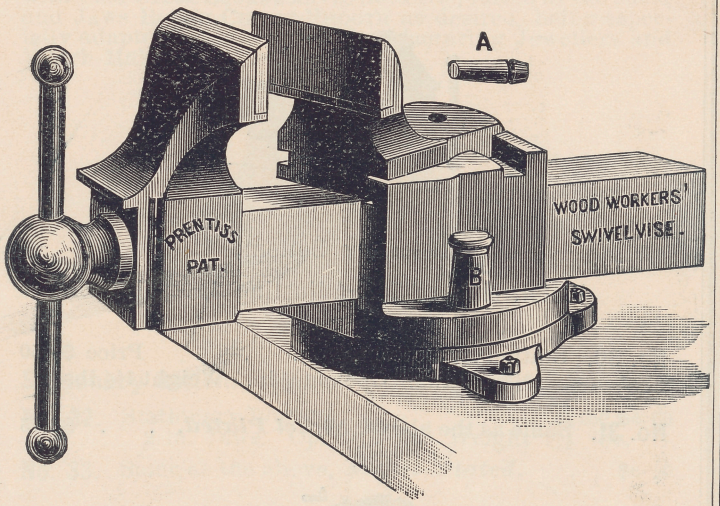
Stationary Bottom, Coach-Makers' Self-Adjusting Jaw Vise.

Our "Coach-Makers'" Vises which are constructed upon the same principles as the Iron-Workers' before described, are acknowledged to possess many advantages over any other yet offered for use of Car and Carriage-Builders, Furniture-Manufacturers, Pattern Makers and all Wood-Workers.

No. 12. Stationary Bottom, . . . Price $ 8 00
3½ in. Jaws. Opens 7 in. Weight 30 lbs.

No. 10. Stationary Bottom, . . . Price $11 00
4½ in. Jaws. Opens 9½ in. Weight 59 lbs.

Prentiss' Patent Wood-Workers' Vises.



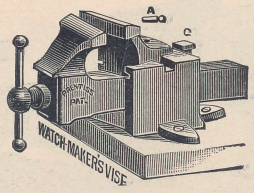
Patent Swivel Bottom, Coach-Makers' Self-Adjusting Jaw Vise.

Our Self-Adjusting Jaw, combined with the Patent Swivel Bottom, makes the best Vise ever offered artisans in wood, the large surfaces of the jaws, (which are finished perfectly smooth), protecting the work from injury, while the Self-Adjusting Jaw easily and firmly holds articles of any shape.

No. 27. Patent Swivel Bottom, . . . Price $ 9 50
3½ in. Jaws. Opens 7 in. Weight 34 lbs.

No. 26. Patent Swivel Bottom, . . . Price $13 00
4½ in. Jaws. Opens 9½ in. Weight 67 lbs.

Prentiss' Patent Watch-Makers' Vises.

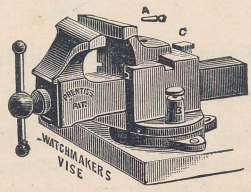


Stationary Bottom,

Watch-Makers' Self-Adjusting Jaw Vise.

No. 30. Stationary Bottom, . . . Price $3 50
1¾ in. Jaws. Opens 1¾ in. Weight 1½ lbs.

No. 31. Same as the above, ***Nickel Plated,*** . . $5 75



Patent Swivel Bottom,

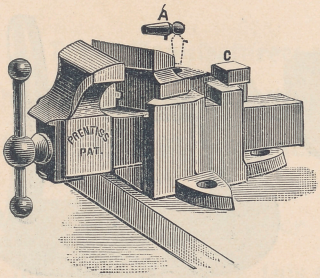
Watch-Makers' Self-Adjusting Jaw Vise.

No. 35. Patent Swivel Bottom, . . . Price $4 50
1¾ in. Jaws. Opens 1¾ in. Weight 2 lbs.

No. 36. Same as the above, ***Nickel Plated,*** . $6 75

Prentiss' Patent Jewellers' Vises.

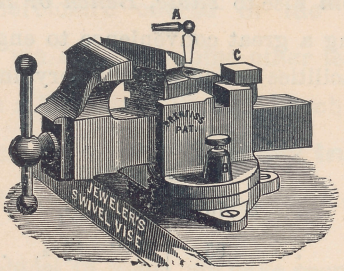
Our ***Jewellers' and Watchmakers' Vises*** are made with CAST-STEEL SQUARE ANVIL (letter C), raised at the back, and JAWS ROUGH-CUT or SMOOTH as desired, being especially adapted to the uses of Manufacturing Jewellers and Watch-Makers.



Stationary Bottom, Jewellers' Self-Adjusting Jaw Vise.

No. 32. Stationary Bottom, ... Price $4 00
2 in. Jaws. Opens 2 in. Weight 3½ lbs.

No. 33. Same as the above, ***Nickel-Plated,*** . $6 50

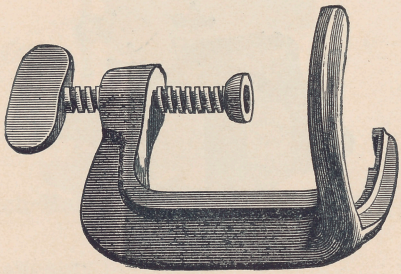


Patent Swivel Bottom, Jewellers' Self-Adjusting Jaw Vise.

No. 37. Patent Swivel Bottom, ... Price $5 00
2 in. Jaws. Opens 2 in. Weight 4½ lbs.

No. 38. Same as the above, ***Nickel-Plated,*** . $7 50

Prentiss' Vise Clamp.



This figure represents a superior Clamp, made in Malleable Iron, for temporarily fastening the ***PRENTISS' Swivel Bottom*** Vise to ***Table, Bench or Rail of Vessel*** the latter being a great convenience to engineers afloat, where shop facilities are necessarily very limited.

FOR VISE		FOR VISE	
No. 35, . .	$ 75	No. 19, . .	$2 00
" 37, . .	85	" 19½, . .	2 25
" 18, . .	1 50	" 20, . .	2 50
No. 21, ...	3 00		

NEW PATENT

RAPID TRANSIT VISES.

Attention of the Trade, Manufacturers and Mechanics is called to the PRENTISS VISE COMPANY'S New and Superior RAPID TRANSIT BENCH VISE.

A constantly increasing demand for QUICK OPERATING VISES, induced us to give this subject especial attention for the purpose of discovering a new and better method for Rapid Transit Movement than any theretofore offered in the market, and with which we could combine other features requisite to make a first-class, Parallel Bench Vise, capable of being operated as such **Entirely Independent** of the Rapid Transit Improvements, if so required.

With this object in view, we have spent much time and money in practical tests of numerous inventions and patents for the purpose, without finding anv we were willing to introduce in our name, until

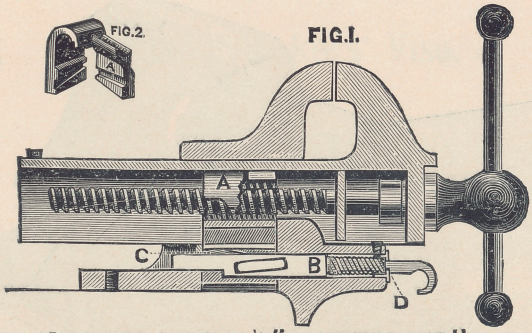
the invention here presented was brought to our notice, which, after careful examination and satisfactory practical tests we have adopted, and now offer to our patrons, and the public in full confidence that this is the best Rapid Transit Parallel Bench Vise in the market.

Among the rare advantages embraced in our New Rapid Transit Vise, all of which are self-apparent at sight, are the Extreme Simplicity, Strength and Durability of the *Plan*—the very limited number of parts, *(there being actually only two pieces more in our Rapid Transit Vise than in an ordinary Screw Vise)*—the positive action, great strength and firmness of the Nut when locked.

By a simple movement this Vise may be opened or closed full length, and the Nut will engage the Screw at any point.

This is the only Quick Action Vise having full Nut.

Rapid Transit Parallel Vises.



PRENTISS VISE Co's "RAPID TRANSIT"

The above is a sectional view of the mechanism of our New Patent Rapid Transit Invention.

Our Plan is entirely new, and needs only to be seen, to *convince* that it is the ***Least Complicated, Most Positive,*** the ***Simplest, Strongest*** and best method for Operating Rapid Transit Vise yet put in market.

DESCRIPTION.

Figure 1 represents half section of Vise, cut length-wise through all parts:

A is one-half of our Rapid Transit Nut in place, disengaged from the screw.

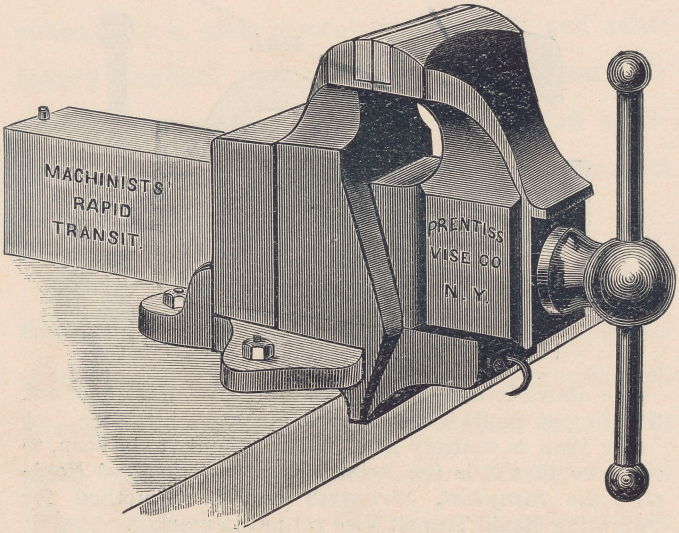
B is an ***Operating Bar*** carrying two ***Inclines*** or ***Ledges*** (all one piece), by which the Nut is both opened and closed, and by the same movement is ***firmly locked.***

C shows ***Groove*** in which ***Incline*** travels, thereby forcing one-half nut up and the other down simultaneously, on moving the ***Bar*** to Front or Rear one-half inch.

D is a ***Ratchet Catch*** on operating Bar, which when engaged holds nut open.

Figure 2 shows the whole Nut detached.

Prentiss' Rapid Transit, Machinists' Vises.

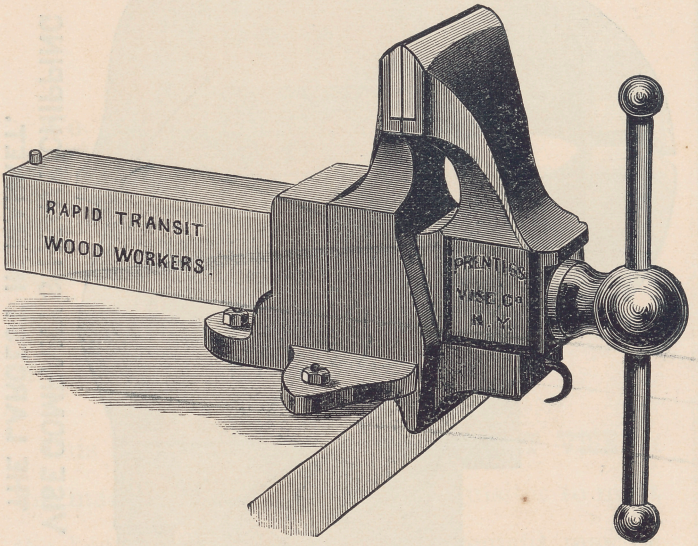


Machinists' New Rapid Transit Vise.

No. 70.	Stationary Bottom, 3 inch Jaws.	Opens 3½ inches.	Price $ 6 50
No. 71.	Stationary Bottom, 3¾ inch Jaws.	Opens 4½ inches.	Price $ 8 00
No. 72.	Stationary Bottom, 4¼ inch Jaws.	Opens 5½ inches.	Price $11 00
No. 73.	Stationary Bottom, 4¾ inch Jaws.	Opens 6½ inches.	Price $13 50
No. 74.	Stationary Bottom, 5½ inch Jaws.	Opens 8 inches.	Price $19 00
No. 75.	Stationary Bottom, 6½ inch Jaws.	Opens 9½ inches.	Price $28 00

(For price ***Swivel Bottoms*** see page 25).

Prentiss' Rapid Transit Wood-Workers' or Coach-Makers' Vise.

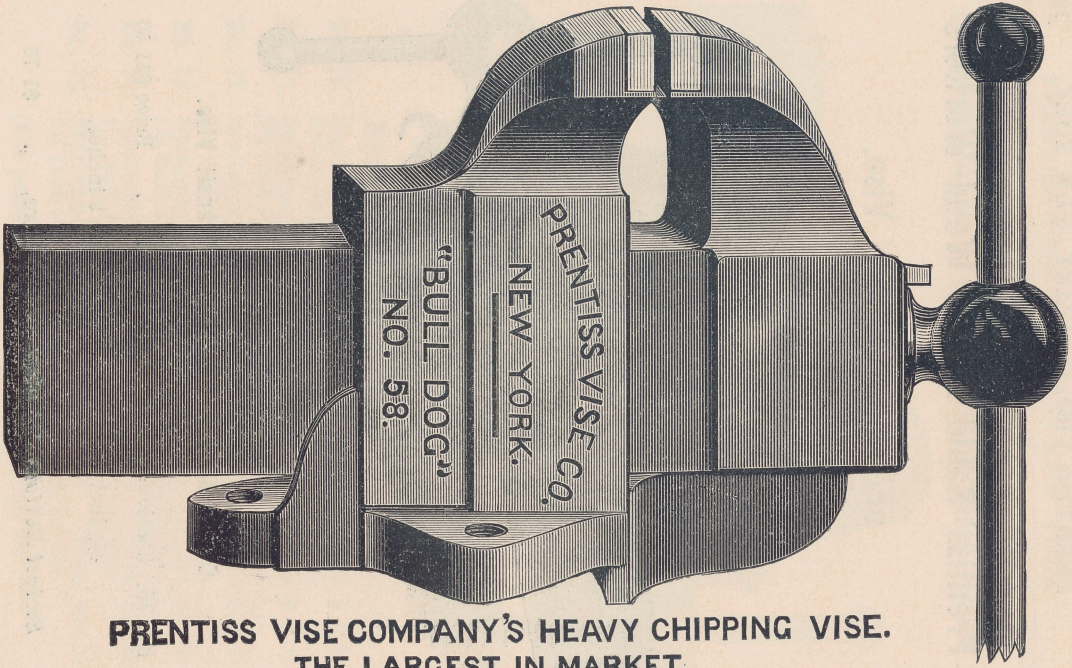


Coach-Makers' New Rapid Transit Vise.

No. 76. Stationary Bottom, . . . Price $11 50

4¼ inch Jaws. Opens 9 inches.

Swivel Bottom Attachment for above, . $1 75



PRENTISS VISE COMPANY'S HEAVY CHIPPING VISE.
THE LARGEST IN MARKET.

SPECIAL NOTICE.

Prentiss Vise Company's Heavy

CHIPPING VISE.

We have just introduced on the Market a New Solid Jaw, Heavy Chipping Vise, made especially to supply the demand for a Vise of this Class for use in Railroad and Machine Shops, Foundries, Glass Works, Mills and large Manufactories.

This is the **LARGEST** and **HEAVIEST VISE** in the market, and possesses all requisites to meet the heavy demands such an implement may be expected to have made upon it.

PRICE.

No. 58. . . . . . **$50 00**

8½ inch Jaws. Opens 12 inches. Weight 275 Pounds.

Swivel Bottom Attachment for above . . $5.00

NEW PATTERN

SOLID JAW, PARALLEL VISES

"BULL DOG."

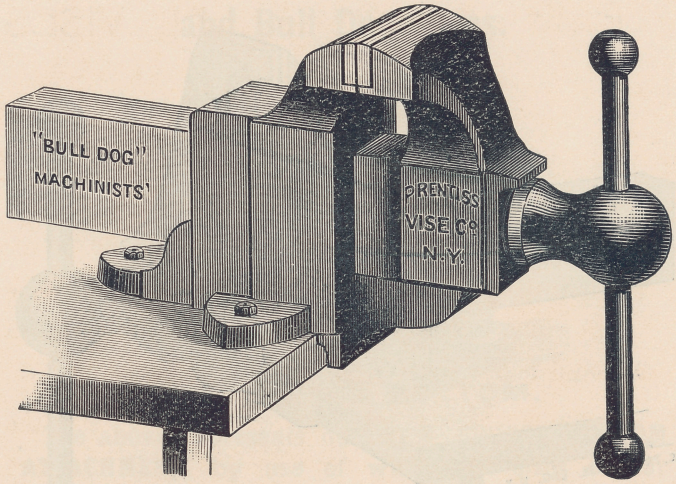
(TRADE MARK.)

Our new and improved pattern SOLID JAW parallel MACHINISTS', BLACKSMITHS' and WOOD-WORKERS' Bench Vises are placed in market under the trade name "BULL DOG," which has been adopted by us to distinguish our vises from other similar goods.

In manufacturing the "BULL DOG" Vises only the Best of materials, workmanship, and improved machinery will be made use of, and in Style, Finish, Strength and Durability, we believe them to be superior to any Vises of this class heretofore offered; and we desire to call special attention of the Trade to the following attractive features presented in connection with the "BULL DOG" VISES: They are not only of Best Pattern, Best Materials, Best Workmanship and Finish, but also are sold at LOWER PRICES than any other first-class Vise of this kind.

ALL PARTS DUPLICATED ON CALL.

Machinists' "Bull Dog" Vises.

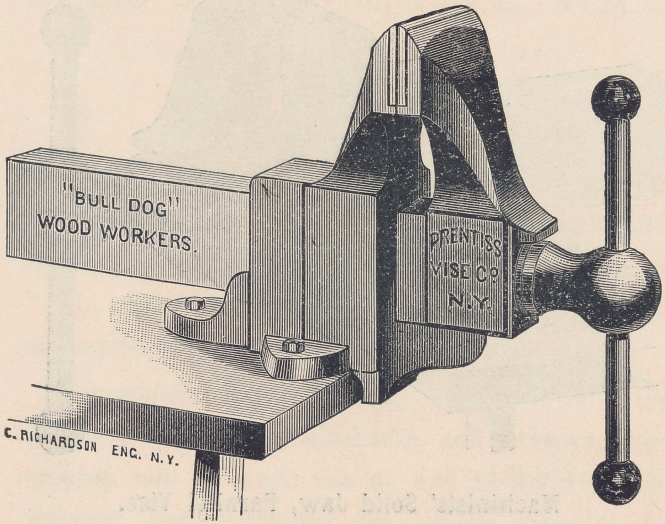


Machinists' Solid Jaw, Parallel Vise.

No. 50.	Stationary Bottom, 3¼ inch Jaws.	. . . Price $ 6 00 Opens 4 inches.
No. 51.	Stationary Bottom, 3⅝ inch Jaws.	. . . Price $ 7 00 Opens 5 inches.
No. 52.	Stationary Bottom, 4⅛ inch Jaws.	. . . Price $ 8 50 Opens 5½ inches.
No. 53.	Stationary Bottom, 4⅝ inch Jaws.	. . . Price $10 00 Opens 6¼ inches.
No. 54.	Stationary Bottom, 5 inch Jaws.	. . . Price $13 00 Opens 7 inches.
No. 56.	Stationary Bottom, 6 inch Jaws.	. . . Price $25 00 Opens 9 inches.

(For price ***Swivel Bottoms*** see page 25).

Wood-Workers' "Bull Dog" Vises.



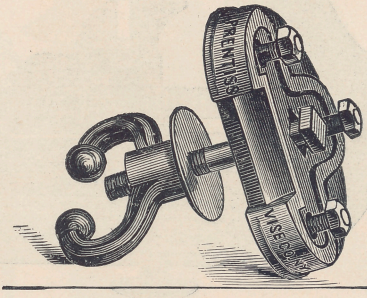
Coach-Makers' Solid Jaw, Parallel Vise.

The above is a medium sized Wood-Workers' Vise designed for the use of Carriage and Wagon Makers, Pattern Makers and Wood-Workers generally.

No. 59. Stationary Bottom, . . . Price $9 50
4¼ inch Jaws, Opens 9 inches.

Swivel Bottom Attachment for above, . $1 50

Swivel Attachment for Rapid Transit and Bull Dog Vises.



NEW SWIVEL BOTTOM.

The above represents our NEW SWIVEL BOTTOM ATTACHMENT, by use of which all sizes of our Stationary Bottom Rapid Transit or "Bull Dog" Vises may be changed into Swivel Bottom Vises.

The Swivel Plate Attachments, with Bolts and Nuts complete, are sold separate *for the above named Vises only,* and can be applied at any time.

In ordering Swivel Attachment give NUMBER OF VISE for which it is required.

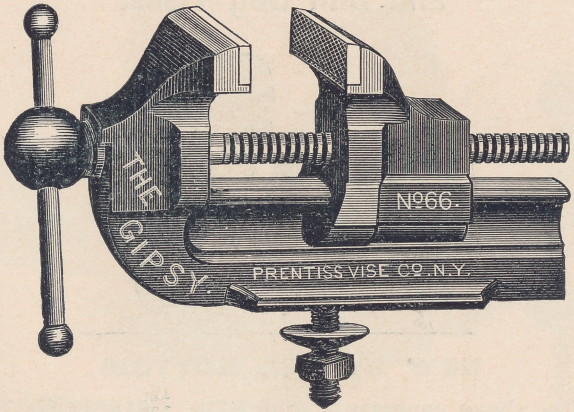
PRICE LIST FOR SWIVEL BOTTOMS.

INCLUDING BOLTS AND NUTS.

FOR VISE	EACH.	FOR VISE	EACH.
No. 50 & 70, . . .	$1 00	No. 53, ...	$1.75
No. 51, ...	1 25	No. 54, ...	2 00
No. 52, 59 & 71, . .	1 50	No. 74, ...	2 50
No. 72, 73 & 76, . .	1 75	No. 56 & 75, . . .	3 25

"GIPSY."

(TRADE MARK.)



To supply the growing demand for a Strong, Cheap, Handy Vise for ***Common Uses,*** we have added to our list the above implement which we think is in every way suitable for the purpose. It is made of good material, with ***Steel Screw and Welded Steel Jaws Milled and Cut, is Strong, Convenient, of Ample Weight and Cheap.*** Head of swivel screw moves in groove running whole length of bottom plate, allowing operator to move vise out, in, or to any desired angle and fasten in position.

The nut is made by a ***long full thread*** cut in ***solid metal*** of back jaw.

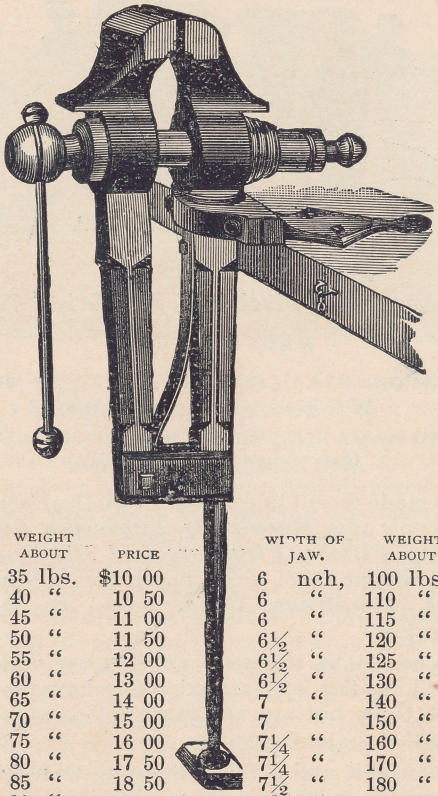
These Vises are handsomely painted and polished, and are finished equal to any first-class Vise in Market.

No. 65. Jaws 2½ in. wide. Opens 3 in. Weight 8 lbs. . . . . Price $ 1 75

No. 66. Jaws 3½ in. wide. Opens 4 in. Weight 14 lbs. . . . . Price $ 2 75

No. 67. Jaws 4 in. wide. Opens 6 in. Weight 28 lbs. . . . . Price $ 4 50

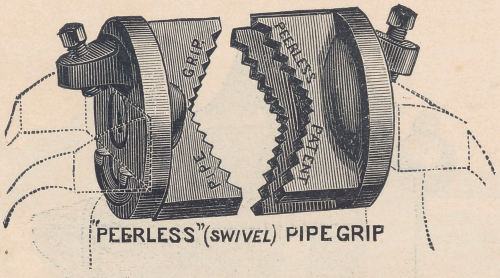
Wrought Iron Solid Box Vises.



WIDTH OF JAW.	WEIGHT ABOUT	PRICE	WIDTH OF JAW.	WEIGHT ABOUT	PRICE.
3¾ inch,	35 lbs.	$10 00	6 nch,	100 lbs.	$22 00
4 "	40 "	10 50	6 "	110 "	24 00
4¼ "	45 "	11 00	6 "	115 "	25 00
4½ "	50 "	11 50	6½ "	120 "	26 00
4¾ "	55 "	12 00	6½ "	125 "	27 50
5 "	60 "	13 00	6½ "	130 "	29 00
5 "	65 "	14 00	7 "	140 "	33 00
5¼ "	70 "	15 00	7 "	150 "	36 00
5¼ "	75 "	16 00	7¼ "	160 "	41 50
5½ "	80 "	17 50	7¼ "	170 "	44 50
5½ "	85 "	18 50	7½ "	180 "	47 00
5¾ "	90 "	20 00	7¾ "	190 "	53 00
5¾ "	95 "	21 00	8 "	200 "	56 00

In ***ordering*** Solid Box Vises give ***Width of Jaw*** and approximate ***Weight.***

New Peerless Patent Pipe Grip.



New Improved (Swivel Jaw) Pipe Grip, "Peerless."

MADE OF STEEL.

No. 1. Fits *any* 3 to 4¾ inch Vise, . . . Price $2 50
Will hold ¼ to 2½ inch pipe.

No. 2. Fits *any* 5 to 6½ inch Vise, . . . Price $2 75
Will hold ¼ to 5 inch pipe.

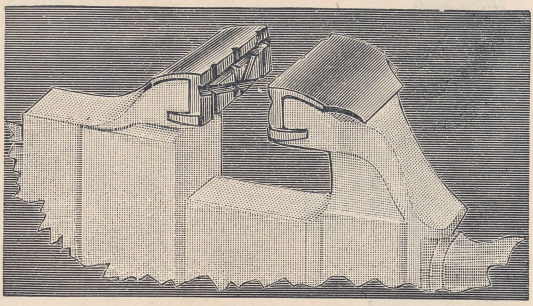
Having made recent improvements in the ***Peerless Pipe Grip,*** we now offer ***Machinists, Engineers, Steam, Gas and Pump Fitters, Plumbers and Blacksmiths,*** the most convenient Tool ever made for holding ***Pipes, Thimbles, Couplings, Bolts, Nuts, &c.,*** at greatly reduced prices.

We are confident this ***new implement*** will supply a deficiency long felt by mechanics who have frequent use for a Pipe Grip, but are not warranted in purchasing an expensive tool for such purpose.

Being compact and light it is easily transferred from shop to outside work, and its ready adaptability to ***any Vise used by Machinists, Blacksmiths, &c.,*** makes it particularly acceptable ***in Mining, Oil or other sections*** remote from machine shops where it is INVALUABLE and indeed ALMOST INDISPENSABLE.

The Bingham Vise-Jaw Caps.

PATENTED JULY 7, 1891.



These Caps will fit any vise and are intended to protect finished work when clamped in a vise, and also for holding securely, without injury, finished rods of any shape, round, oval, square or polygonal, for which latter purpose grooves of various sizes, and disposed at various angles, are provided. For holding the shank of a tap, when finishing out the flutes with a file, and a hundred kindred operations, these Caps will be found invaluable. All tool-makers and vise-hands who have used them, pronounce them an indispensable appendage to a bench vise. When the stops at the end of faces abut against the sides of the vise jaws, the corresponding grooves in a pair of Caps will be opposite each other, so that any sized Cap can be used with any width of jaw; but it is of course preferable to have the Cap the same length as the width of the jaw to which it is to be attached.

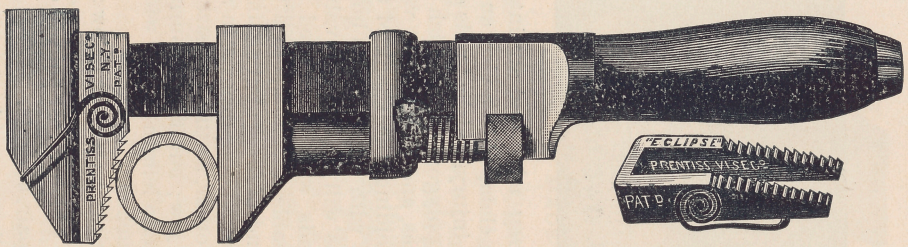
We can supply them in five sizes, as per list below:

3½ inch....per pair, 40 cents. 4 inch....per pair, 50 cents.

4½ inch....per pair, 60 cents.

1¾ and 2 inch. (for Jewellers) per pair 40 cents.

"ECLIPSE" WRENCH ATTACHMENT.



This little article, which is readily slipped on or off a wrench, will instantly convert ***any ordinary Screw Wrench*** into a ***first-class Pipe Wrench***, capable of doing all the work required of such a tool.

Dropped forged and handsomely finished. Fully Warranted.

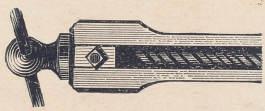
PRICE LIST.

No. 8.	Will fit any 8-inch Screw Wrench	40	40 Cents.
No. 10.	" " " 10 " " "	80	50 "
No. 12.	" " " 12 " " "		60 "
No. 15.	" " " 15 " " "	60	70 "
No. 18.	" " " 18 " " "	70 80	80 "

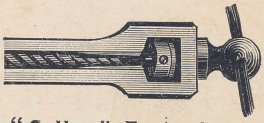
PRICE LIST EXTRA PARTS.

VISE NUMBER.	BODY.	FRONT JAW.	BACK JAW.	SCREW & LEVER.	NUT.	BASE.
1 & 18	1 25	1 25	1 25	1 25	35	1 25
2 & 19	1 75	1 75	1 75	1 25	50	1 25
2½ & 19½	2 75	2 75	2 00	1 50	60	1 50
3 & 20	3 25	3 25	2 25	1 75	75	1 75
4 & 21	5 50	5 50	3 50	2 25	1 00	2 25
5 & 22	7 50	7 50	6 00	3 50	1 50	4 50
6 & 23	11 00	11 00	6 00	3 50	1 50	6 00
42 & 47	2 50	2 50	2 00	1 50	60	1 50
12 & 27	1 75	1 75	1 75	1 25	50	1 25
10 & 26	3 25	3 25	2 25	1 75	75	1 75
50	2 50	2 50	....	1 00	75	.....
51	2 90	2 90	.....	1 25	80	.....
52	3 50	3 50	.....	1 50	85	.....
53	4 25	4 25	.....	1 50	1 00	.....
54	5 35	5 35	.....	2 00	1 30	.....
56	11 00	11 00	.....	3 00	2 00	Pull Bar & Spring.
58	22 00	22 00	.....	6 00	2 50	
59	4 00	4 00	.....	1 50	1 00	
70	2 15	2 15	.....	1 15	1 15	60
71	2 75	2 75	.....	1 25	1 25	75
72	3 75	3 75	.....	1 75	1 75	85
73	4 75	4 75	.....	2 00	2 00	85
74	7 00	7 00	.....	2 50	2 50	1 00
75	10 50	10 50	.....	3 75	3 50	1 25
76	4 00	4 00	.....	1 75	1 75	85

In ordering new ***Front Jaws*** for Prentiss' Patent Self-Adjusting Jaw Vises, (only), always give the size (square) of the Sliding Bar of Jaw, and state whether the broken part has "Dog" or "Collar" style of fastening, for holding in the screw, as shown in following cuts:—



"Dog" Fastening.



"Collar" Fastening.

am	ap	bad	bat
an	act	had	cat
as	and	lad	can
at	fat	lag	fan
		nag	man
		wag	ran

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NEW YORK.

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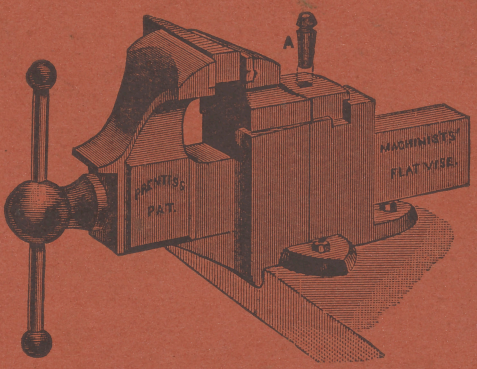
Florence Livermore